* Some contents in this manual may differ from your phone depending on the software of the phone or your service provider.

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SAMSUNG

PORTABLE CELLULAR TELEPHONE

SCH-A591

User's Manual

Please read this manual before operating your phone, and keep it for future reference.

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Important Safety Precautions

Read these guidelines before using your wireless phone. Failure to comply with these guidelines may be dangerous or illegal. For more detailed safety information, see “Health and Safety Information” on page 109.

Road Safety at All Times
Do not use a hand-held phone while driving; park the vehicle first.

Switching Off When Refuelling
Do not use the phone at a refuelling point (service station) or near fuels or chemicals.

Switching Off in Aircraft
Wireless phones can cause interference. Using them in aircraft is both illegal and dangerous.

Switching Off in Hospitals
Switch off your phone near medical equipment. Follow any regulations or rules in force.

Interference
All wireless phones may be subject to interference, which could affect their performance.

Special Regulations
Meet any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

Radio Frequency Exposure
The design of this phone complies with Australian Communications Authority (ACA) requirements relating to radio frequency (RF) exposure. To maintain compliance with these requirements, use only Samsung-supplied or approved accessories. Use of non-approved accessories may violate the requirements.

Sensible Use
Use only in the normal position (held to the ear). Avoid unnecessary contact with the antenna when the phone is switched on.

Accessories and Batteries
Use only Samsung-approved accessories and batteries.

Qualified service
Only qualified service personnel may install or repair your phone.

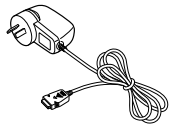
Unpacking

Your package contains the following items.
The illustrations below may look different from you phone and accessories.

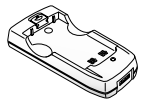
Handset

Battery

Travel Adapter



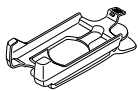
Battery Charger



User's Manual

Hand Strap

Holster



Ear-microphone

In addition, you can obtain the following accessories for your phone from your local Samsung dealer.

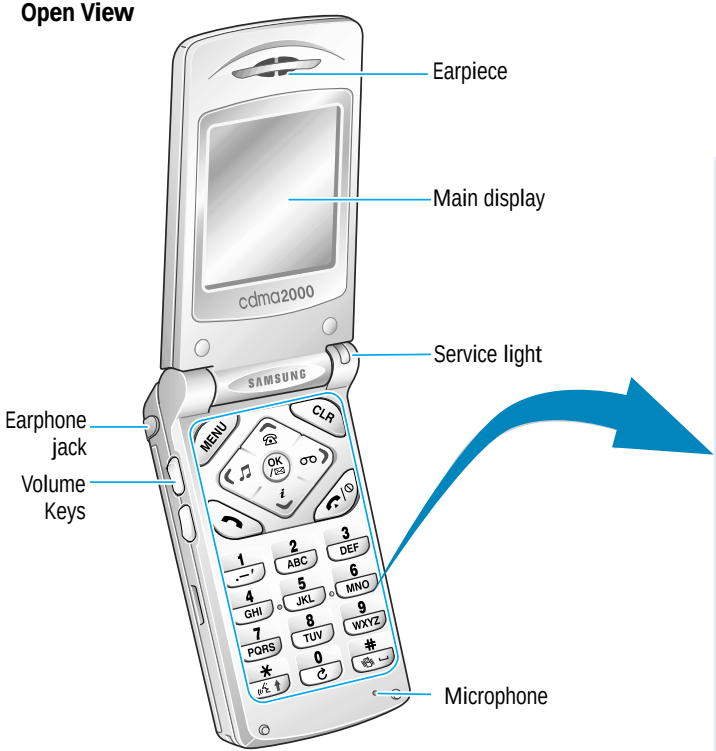
- Ear-microphone
- Cigarette lighter adapter
- Slim and standard batteries
- Hands-free car kit
- Data cable
- Leather case

Your Phone

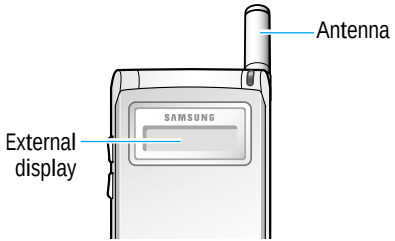
Phone Layout

The following illustrations shows the main elements of your phone.

Open View



Closed View



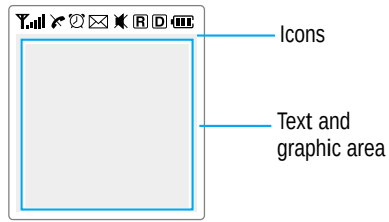
Key	Functions
MENU	Enters menu mode. Also, scrolls through the menu options.
CLR	Deletes characters from the display. *In menu mode*, returns to the previous menu level.
	In menu mode, scroll through the menu options and Phonebook memory. *In standby mode*, enters the **Find** menu, enters the **Ring Tone** menu, enters the **Voice Memo** menu and launches the wireless web browser.
OK	*In menu mode,* selects a menu function or stores information that you have entered, such as a name in the phone memory. *In standby mode*, enters the **Message** menu.

Key	Functions *(continued...)*
	Makes or answers a call. *In standby mode*, enters the **Outgoing** call log.
	Ends a call. Also switches the phone on and off when pressed and held. *In menu mode*, cancels your input and returns to standby mode.
0 ~ 9 WXYZ	Enters numbers, letters and some special characters.
*	*In standby mode*, initiates a voice dial call when pressed and held down. Also, use this key for special star calling features.
#	*In standby mode,* enters and exit Silent mode when pressed and held. Also, it is used at various times when you dial, especially when using teleservices.
	During a call, adjusts the voice volume. *In standby mode with the phone open*, adjusts the volume for the call ringer volume. *In menu mode*, scrolls through the menu options.

Display

Layout

The display comprises two areas; an upper line of fixed icons and the lower text and graphic area.



Icons

Signal Strength: shows the received signal strength. The greater the number of bars, the stronger the signal.

Service: appears when a call is in progress.

No Service: appears when you are outside a service area. When it appears, you cannot make or receive calls.

Alarm: appears when you set an alarm.

New Message: appears when a new message is received.

Vibrator: appears when the ringer volume for voice calls is set to **Vibrate**. An incoming call will vibrate the phone rather than ring it.

Roaming: appears when you are out of your home area and have registered onto a different network, when travelling in other countries, for example.

Digital Mode: indicates that your phone is in Digital mode.

Battery Strength: shows the level of your battery capacity. The more bars you see, the more power the battery has.

Silent Mode: appears when your phone is in silent mode.

Analog mode: indicates that your phone is in Analog mode.

1X mode: indicates that your phone is in 1X mode.

Ringer off: appears when your phone's ringer volume is off.

External Display

Your phone has an external display on the folder cover. It shows Signal strength, Vibrator, and Battery Strength icons. It also indicates that you have an incoming call or message and missed calls and alarms you when you set an alarm at the specified time.

When you press and hold one of the volume keys with the phone closed, the backlight of the external display illuminates.

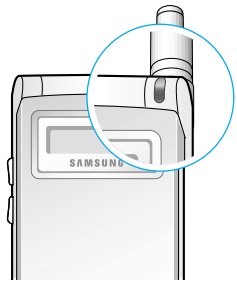
Backlight

The display and the keys of your phone are illuminated by a backlight. When you press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on your setting of the **Backlight** menu option. The backlight remains on at all times when the phone is connected to an optional car kit.

To specify the length of time for which the backlight is active, set the **Backlight** menu option (**MENU 8-3**); see page 96 for further details.

Service Light

The service light is at the top right corner of your phone. It flashes to indicate an incoming call or message. Also, the service light flashes for a few seconds when you turn the phone on or off.

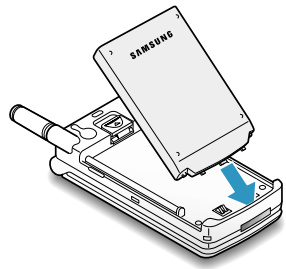


Installing a Battery

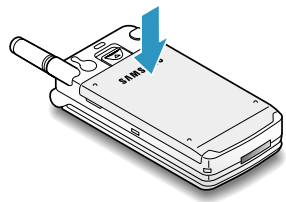
Your Samsung phone comes packaged with a partially charged, rechargeable Li-ion battery.

To install the battery:

1. Place the battery on the phone to insert the three tabs at the bottom of the battery into the corresponding grooves of the phone.



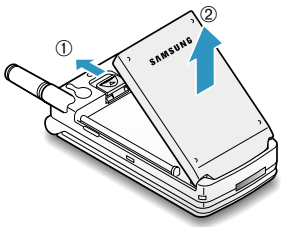
2. Push the battery down until it snaps into place. Make sure that the battery is properly installed before switching the phone on.



To remove the battery:

1. If necessary, switch off the phone by holding down until the closing animation appears.

2. Push up and hold the catch above the battery and lift the battery away.



Charging a Battery

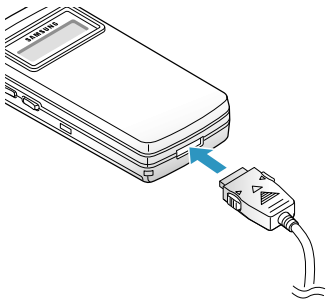
A travel adapter and a battery charger allow you to charge your phone's battery from any AC standard wall outlet.

You must fully charge the battery before using the phone for the first time. The charger and the adapter will fully charge an "empty" standard battery in approximately 4 hours.

Using the Travel Adapter

The travel adapter allows you to use the phone while the battery is charging, but this will cause the phone to charge more slowly.

1. With the battery in position in the phone, plug the connector of the adapter into the jack at the bottom of the phone.

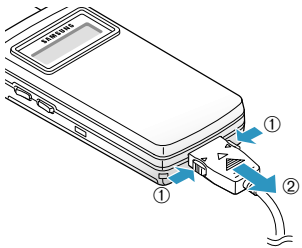


2. Plug the adapter into a wall outlet. The battery will begin charging immediately and the service light will flash and remain red while the Battery Strength icon animates.

   The service light indicates the status of the battery being charged.

   - Red: the battery is charging
   - Green: the battery is completely charged
   - Yellow: the battery is not correctly plugged in or operating in a too high or too low temperature.

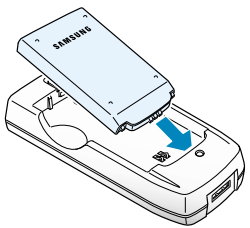
4. When charging is finished (the light turns green), unplug the adapter from the power outlet and from the phone.



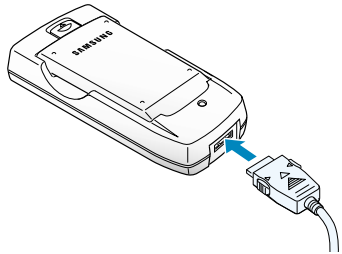
Using the Battery Charger

Using the battery charger, you can charge the battery alone.

1. Insert the battery alone into the slot of the charger ensuring that the terminals on the battery contacts with those on the charger. Press the battery down until it clicks into place.



2. Plug the connector of the travel adapter into the jack at the bottom of the charger.

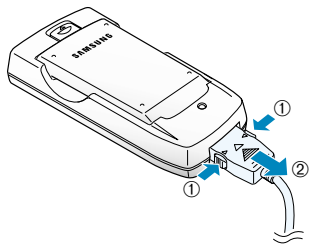


3. Plug the adapter into a standard AC wall outlet.

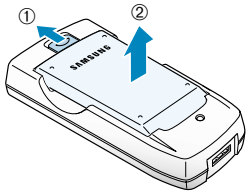
   The LED on the charger will indicate the charging process with the following colors:

   - Red: the battery is charging
   - Green: the battery is completely charged
   - Yellow: the battery is not correctly plugged in or operating in a too high or too low temperature.

4. When charging is finished, unplug the adapter from both the power outlet and the charger.



5. Take the battery out of the charger.



Low Battery Indicator

You can easily tell if your battery needs to be recharged by checking the Battery Strength icon at the top right corner of your phone's display. The presence of all three bars indicates a full charge, two bars indicates a smaller charge, and one bar indicates an even smaller charge. No bars (the battery icon is empty) means that your battery need to be charged. When the battery charge level gets low, the battery sensor blinks an empty Battery Strength icon and sounds a beep. If the battery level gets too low, the phone will turn off automatically. Unfortunately, if this happens, you'll lose whatever you are doing and your phone call will cut off. Watch the Battery Strength icon and make sure your battery is adequately charged.

Switching the Phone On / Off

1. Hold down for more than one seconds to switch the phone on.

   The service light on the phone flashes and an alert sounds. When the system locates services, the greeting message displays along with the current date and time.You can now place and receive calls.

   If the phone is out of service, the No Service icon appears on the display. In this case, you cannot make and receive calls. Try again later when service is available.

2. When you wish to switch the phone off, hold down for more than two seconds.

WARNING!
Do not switch on the phone when mobile phone use is prohibited or when it may cause interference or danger.

Note: As with any other radio-transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna of your phone affects the call quality and may cause the phone to operate at a higher power level than otherwise needed.

Your Phone's Mode

Standby Mode

Standby is the most basic state of your phone. The phone goes into standby mode after you turn it on or whenever you briefly press . When your phone is in standby mode, you will typically see the greeting message and current date and time. If you enter a phone number, you can press to dial it or press to save it in the internal Phonebook.

Press at any time to return to standby mode. Be careful; if you are on a call when you press , the phone disconnects the call and returns to standby mode. Press several times or hold it down to return to standby mode without ending the call.

The Main Menu can be accessed when you are in standby mode.

Talk Mode

You can place and answer calls only when your phone is turned on. During a call, the phone is in Talk mode. While you are in Talk mode, pressing gives you a list of options referred to as "In-call Options." See page 33 for further information about the options.

Power Save Mode

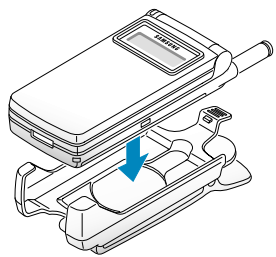
Your phone comes with a Power Save feature that will automatically be activated if your phone is unable to find a signal after 15 minutes of searching. While this feature is active, the phone's battery charge will conserved. The phone will automatically recheck for a signal periodically. To manually force the phone to recheck for a signal, press any key. A message on the display lets you know when your phone is operating in Power Save Mode.

Using the Holster

The supplied holster allows you to conveniently carry your phone with you.

To attach the phone to the holster:

1. Insert the phone into the slot of the holster and press the top of the phone down until it locks into place.

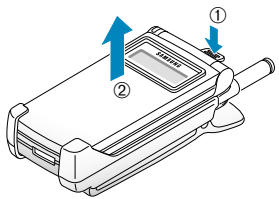


2. Using the clip, attach the holster to your belt or clothing where it will convenient to reach and use.

To remove the phone from the holster:

1. Press down the latch on the top of the holster to release the phone.

2. Take the phone out of the slot.



Call Functions

Making a Call

In standby mode, key in the area code and phone number and press .

Note: If you have set the **Auto Retry** menu option (**MENU 0-3**) have been enabled (see page 101), the phone automatically retries to make the call when the line is busy or the remote person does not answer you.

While entering a phone number, press MENU to insert a pause or hyphen between the numbers. For further information about pause dialing, see page 31.

Correcting the Number

To clear ...	**Then ....**
The last digit displayed	Press CLR.
The whole display	Hold down CLR for more than one second.

Ending a Call

When you wan to finish your call, briefly press or close the folder.

If you press , the call time, or the length of the call displays briefly and the phone returns to standby mode.

Redialing the Last Call

To redial the last call you made, press twice quickly.

Your phone stores the last 10 outgoing calls. To recall any of these numbers:

1. If there are any characters on the display, press to return to standby mode.
2. Press . The list of call logs is displayed.
3. Use and to scroll through the list until you select the required name or number.
4. Press to dial the displayed number.

Emergency Dialing

You can place emergency call from your emergency number list even if your phone is locked or all outgoing calls are restricted. For further information about emergency numbers, refer to page 107.

Prepend Dialing

The Prepend option lets you add digits, such as area codes and network feature activation codes to a phone number that is in your call log entries.

1. Access the desired phone number in the call log by pressing and scrolling through the call list.

   You can also access the outgoing, incoming or missed call logs via the **Calls** menu of the main menu. See page 52.

2. Press to access the **Options** menu.
3. Press to select **Prepend**.
4. Enter the area code or feature code.
5. Press to dial the displayed number.

Making a Call from the Phonebook

You can store the frequently-used phone numbers with a name in the memory, called the Phonebook. You then simply recall the number to dial. For further information about the Phonebook, refer to page 55.

Speed Dialing

Once you have stored phone numbers in the Phonebook memory, you can dial them easily any time you want.

One-Touch Dial

Memory locations 001 through 009 are special one-touch locations. You can dial the phone numbers stored in the Phonebook memory from 001 through 009 simply by pressing one button.

Press and hold the third digit of the memory location number.

For example: Location no. 009
Press and hold 9 WXYZ .

The number (and name) stored is displayed, then dialed.

Two-Touch Dial

Memory locations 010 through 099 are special two-touch locations.

Press the second digit briefly and hold down the third digit of the memory location number.

For example: Location no. 023
Press 2 ABC briefly and hold down 3 DEF .

The number (and name) stored is displayed and then dialed.

Three-Touch Dial

Memory locations 100 through 500 are special three-touch locations.

Press the first and the second digit briefly, then hold down the third digit of the memory location number .

For example: Location no. 123
Press 1 .–' and 2 ABC briefly, and hold down 3 DEF .

The number (and name) stored is displayed and the dialed.

Note : When several numbers are saved in one location, only the phone number which is specified with the Speed Dial tag will be automatically dialed. For details, see page 58.

Pause Dialing

When you call automated system, like banking services, you often need to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Phonebook, separated by special characters which are called pauses.

Storing Pauses in a Phonebook Entry

To store a number in your Phonebook that contains pauses:

1. Enter the phone number you want to store, such as the bank's teleservice phone number.

2. Press MENU. The menu options display.

3. Press ↑ or ↓ to highlight one of the two pause menu options.

   - **P pause**: The letter "P" displays, meaning that a hard pause will occur at that point in the calling sequence.
   - **T pause**: The letter "T" displays, meaning that a timed, or 2-second pause will occur at that point in the calling sequence.

4. Press OK to select an option.

5. Enter digits that need to follow the pause.

6. Store the number in your Phonebook as you normally would by pressing OK and following the screen prompts.

For further information about storing a number, see page 57

Pause Dialing from a Stored Phonebook Entry

1. Dial the number from the Phonebook.

2. If you stored the number using a "T" pause, simply call the number form the Phonebook.

   If you stored the number using a "P" pause, wait for the appropriate prompt for the number, such as credit card number or bank account number.

3. When prompted, press ☎ to send the DTMF (Dual-Tone Multi-Frequency) number that follows your pause.

Manual Pause Dialing

You can enter pauses manually during the dialing process.

1. Enter the phone number of the service you want to connect to, such as a bank's teleservice phone number.

2. Press MENU. The pause menu options display.

3. Use ↑ and ↓ to highlight the one of the two pause menu options, **P pause** or **T pause**.

4. Press OK to select an option. Continue entering the number.

5. When entering the number is completed, press ☎ to dial the number.

Voice Dialing

You can dial a phone number only by speaking a name. Before using the Voice Dialing feature, you must program your phone to recognize the name and number by using the **Voice Dial** menu. For further information, see page 83.

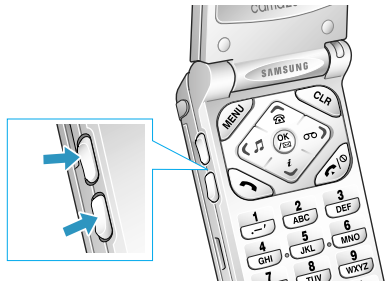
Note: The voice Dialing feature does not work when your phone is in analog mode.

1. To place a call, press and hold * or open the phone, depending on the **Set Active** menu option (**MENU 6-1-4**). See page 85.
2. At a voice prompt, say the name into the microphone.
   - If the phone recognizes the name, the phone attempts a connection.
   - If the phone does not recognize the name, the screen prompts for the name again.
   - If the phone is unable to recognize the name after two attempts, the message "Cannot Recognize Name. Please check name" is displayed. Try the call again later or check the recorded name.
3. The phone dials the corresponding number.

Adjusting the Volume

During a call, if you want to adjust the voice volume, use the volume keys on the left side of the phone.

Press ▲ to increase and ▼ to decrease the volume. The illustration shows the volume level. The more bars your see, the louder the volume is.



In standby mode, you can adjust the volume for the call ringer volume using these keys.

Answering a Call

When somebody calls you, the phone sounds the ringer and shows the animated phone icon in the middle of the LCD display.

If the caller can be identified, the caller's phone number (or name if stored in your Phonebook) also appears.

1. To answer a call, press .

   If the **Answer Mode** menu (**MENU 0-2**) is set to **By AnyKey**, you can answer a call only by pressing any key except for .

2. End the call by pressing or closing the folder.

Note: You can answer a call while using the Phonebook or menu features. The current operation will be interrupted.

Options During a Call

Your phone provides a number of functions that you can use during a call. As many of the In-call options are network services, you may not be able to all of these functions at all times.

Press MENU during a call to access the following options:

Phone Book: allows you to use the **Phone Book** menu.

Mute/Quit: allows you to switch your phone's microphone off, so that the other party cannot hear you.

Example: You wish to say something to another person in the room but do not want the other party to hear you.

Silent/Quit: does not transmit the key tones. It allows you to press keys without hearing annoying key tones during a call.

Send Tel #: sends your telephone number to the other party.

My Phone #: shows your phone number.

SEND:Send DTMF: sends DTMF (Dual Tone Multi Frequency) tones of the currently displayed number. DTMF tones can be used to control electronic phone services such as bank-by-phone or voice mail. During a call, key in the digits you want to send as DTMF tones, for example, the bank account number and password. Then, press .

Using Caller ID

This feature tells you who is calling you by displaying the caller's number when the phone rings. If a caller's name and number are stored in your Phonebook, the corresponding name is also displayed. If you call someone who has this feature, your phone number will be displayed on the their phone.

Note: Contact your service provider to set up the Caller ID service.

Viewing Missed Calls

Your phone keeps a list of calls that you do not answer when the phone is on and the caller is identified. The phone indicates a missed call by displaying a text notification on the screen. Additionally, if caller information is available, the screen displays the phone number of the most recent missed call.

Press to call the displayed number or to save the number in the Phonebook.

Three-Way Calling

This feature enables you to conduct conference calls with two separate parties at the same time. The phone records each party into the Outgoing call log. Also, You are billed airtime for each outgoing call separately.

Note: Contact your service provider to activate Three-Way Calling.

To place a Three-Way call:

1. During a conversation, press . The phone places the other party on hold.

2. Enter the phone number for the third party, and then press . The phone dials the third party.

3. When you are connected to the third party, press again to begin your three-way call.

If one of the callers not you hangs up, you and remaining caller stay connected. If the caller who initiated the three-way call hangs up first, all three parties are disconnected.

Call Waiting

Call Waiting lets you receive a second call during a conversation. Your phone notifies you of a waiting call by beeping and displaying "Call Waiting."

Your phone provides the option of turning the Call Waiting feature on and off, if you have subscribed to the service. Call Waiting is on by default in the phone. If you want to have a undisturbed conversation, simply turn the feature for the current call off .

Note: Contact your service provider to activate the Call Waiting service.

To answer a waiting call:

1. To answer the call, press . The phone connects the calling party, and places the current party on hold.
2. Press again to switch between the two parties.

Note: If you do not respond to a Call Waiting notification, the phone will forward the call to voice mail or another number that you set up. Contact your service provider for more information.

Call Forwarding

This feature provides the option of forwarding incoming calls to another phone, even while your phone is turned off. Activating Call Forwarding does not affect outgoing calls from your phone. Contact your service provider to activate the Call Forwarding feature.

Entering Text

At many times when using your phone, you will need to enter text; for example, when storing a name in the Phonebook, creating your personal greeting or scheduling events in your calendar. You can enter alphanumeric characters into your phone by using your phone's number keypad.

The following text input modes are available:

- **T9 Word:** This mode allows you to enter words with only one keypress per letter. Each key on a keypad has more than one letter - a single press on 5 JKL could be J, K or L. The T9 mode automatically compares your keypresses to an internal linguistic database to determine the correct word. The T9 mode requires far fewer keystrokes than the traditional multi-tap method, ABC mode.
- **ABC:** This mode allows you to enter letters by pressing the key labeled with the desired letter once, twice or three times until the letter appears on the display.
- **Symbol:** This mode allows you to enter special characters.
- **123:** This mode allows you to enter numbers.

Changing the Text Input Mode

When you are in a field that allows characters entry, you should notice the text input mode indicator at the bottom of the display.

You can change between **T9 Word** and **ABC** to enter words. To include a symbol or number between the letters, **Symbol** and **123** modes are also available.

To change to another text input mode:

1. Press MENU. The list of text input modes appears.

2. Scroll to the desired mode by pressing ↑ or ↓.

3. To select the mode highlighted, press OK.
   If you want to exit the menu without changing to a new mode, press CLR.

   You will find the selected text input mode indicator on the display.

T9 Mode

To type a word, press keys labeled with the letters you need. Remember the following as you are typing.

1. Press keys on the phone just once per desired letter. For example, to enter "Hello," press 4 GHI, 3 DEF, 5 JKL, 5 JKL, 6 MNO.

2. The word you are typing appears on the display. It may change with each keypress.

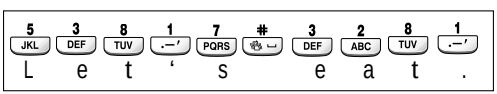
3. Type to the end of the word before editing or deleting any keystrokes.

   If the word that appears on the display is not the word that you desire, press 0 one or more times to display alternative word choices for the keys you have typed. For example, both "Of" and "Me" have the key sequence 6 MNO and 3 DEF. The phone will display the most commonly used choice first.

4. Put a space between each word by pressing #.

Smart Punctuations

Period, hyphen and apostrophe are available by pressing 1 .–'. T9 applies rules of grammar to insert the correct punctuation. Notice that the key is used twice in this example to display two punctuation marks.



Including a Number

You can include a number between letters without exiting the T9 input mode. Press and hold the corresponding number key.

Changing Case

Your phone offers threes:

- **T9 Word**: initial letter is capitalized
- **T9 WORD**: all letters are capitalized
- **T9 word**: all letters are lower case

Press * one or more times to display the appropriate case indicator and begin typing normally.

Another Usages

- To move the cursor left or right through your text, press ◄ or ►.
- Press CLR one or more times to clear letters one by one to the left. Press and hold CLR to erase all letters.

ABC Mode

When typing using the **ABC** mode, you need to press the key labeled with the required letter:
- Once for the first letter
- Twice for the second letter
- And so on.

For this reason, this method is called multi-tap typing.

For example, you can press 2 ABC three times to display the letter “C”, and 5 JKL two times to display the letter “K”.

The cursor moves to the right when you press a different key. When entering the same letter twice or a different letter on the same key, just wait for a few seconds for the cursor to move right automatically and select the next letter.

Refer to the table on next page for the list of characters assigned on each key.

Changing Case

Your phone offers three cases;

- **Abc** : initial letter is capitalized
- **ABC** : all letters are capitalized
- **abc** : all letters are lower case

Press * one or more times to display the appropriate case indicator and begin typing normally.

Another Usages

- Press # to insert a space.
- To move the cursor left or right through your text, press ◄ or ►.
- Press CLR one or more times to clear letters one by one to the left. Press and hold CLR to erase all letters.

List of characters available

Key	Characters in the Order Displayed
1 .,-'	1 . @ , : ? - ; ‘ / ( ) ! # % & * < > _ + = “ \ { } $ [ ]
2 ABC	A B C 2
3 DEF	D E F 3
4 GHI	G H I 4
5 JKL	J K L 5
6 MNO	M N O 6
7 PQRS	P Q R S 7
8 TUV	T U V 8
9 WXYZ	W X Y Z 9
0	0

(Caps Lock mode)

Symbol Mode

Symbol mode enables you to enter symbols. Press ◄ or ► to display more symbol sets.

Press the number keys corresponding to the desired symbols. The phone automatically switches back to the text input mode used just prior to selecting the Symbol mode.

123 Mode

123 mode enables you to enter numbers. Press the number keys corresponding to the desired digits. You need to manually switch to text input mode of your choice.

Using the Menus

The phone offers a range of functions that allows you to tailor the phone to your needs. These functions are arranged in menus and submenus.

The menus and submenus can be accessed by scrolling or by using the shortcuts.

Accessing a Menu Function by Scrolling

1. In standby mode, press MENU to access menu mode.

2. Scroll with MENU or ↑ and ↓ to reach the desired main menu; for example, **Sounds**. Press OK to enter the menu.

3. If the menu contains any submenus; for example, **Ringer Type**, find the one you want by scrolling with ↑ and ↓. Press OK to enter the submenu.

   If the menu you have selected contains submenus, repeat this step.

4. Scroll with the navigation keys to find the setting of your choice. Press OK to confirm the selection.

Notes:
- You can return the previous menu level by pressing CLR.
- You can exit the menu without changing the menu settings by pressing ⏻.

Accessing a Menu Function by Using Its Shortcut

The menu items, such as menu, submenus and setting options, are numbered and can be accessed quickly by using their shortcut numbers.

Note: The numbers assigned to each menu function are indicated on the list on page 50.

1. In standby mode, press MENU to access the main menu.

2. Within three seconds, key in the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

Example: Selecting the ringer type for text messages

Press 7 PQRS, 2 ABC, 2 ABC, and 3 DEF.

7 for **Sounds**, **2** for **Ringer Type**, **2** for **Messages**, and **3** for **Text**.

3. Find the setting of your choice by pressing the ↑ or ↓, and then press OK to confirm the selection.

List of Menu Functions

Main menu	Main menu 1	Main menu 2
1. Calls	1. Outgoing 2. Incoming 3. Missed 4. Erase History 5. Air Time	 1. Outgoing 2. Incoming 3. Missed 4. All Calls 1. Last Call 2. Total 3. LifeTime 4. Erase Total
2. Phone Book	1. Find 2. Add 3. Rename Group 4. My Phone # 5. Memory	
3. Message	1. New Messages 2. Voice 3. Inbox 4. Outbox 5. Filed Msg 6. WebAlert 7. Erase Msg 8. Msg Setup	 1. General 2. New Message
4. Wireless Web	1. Get In Web 2. Prompt	
5. Planner	1. Today 2. View Month 3. Jump To Date 4. To Do List 5. Memo Pad 6. Countdown 7. Alarm Clock 8. World Time 9. Calculator	
6. Voice	1. Voice Dial 2. Voice Memo 3. Voice Answer	1. Record 2. Review 3. Erase All 4. Set Active 1. Record 2. Review 3. Erase All 1. On/Off 2. Config 3. Inbox

Main menu	Main menu 1	Main menu 2
7. Sounds	1. Ringer Vol 2. Ringer Type 3. Tone Length 4. Alerts 5. Roam Ringer	1. Calls 2. Messages 3. Alarm 4. Key Beep 1. Voice Calls 2. Messages 3. Alarm 4. Data/Fax In 5. Planner 1. Minute Beep 2. Service 3. Connect 4. Disconnect 5. Fade 6. Roam
8. Display	1. Animation 2. Greeting 3. Backlight 4. Contrast 5. Auto Hyphen 6. Dual Clock	1. Opening 2. Closing 3. Wall Paper
9. Games	1. Push push 2. Fly Ribbon 3. Spider Hunter	
0. Setup	1. Auto Answer 2. Answer Mode 3. Auto Retry 4. Set Time 5. Set NAM 6. Set System .7. Data/Fax 8. Version 0. Security	 1. Lock Phone 2. Change Lock 3. Restrict 4. Emergency # 5. PIN 6. Erase PBook 7. Reset Phone

Calls

You can use the **Calls** menu to:

- View and dial the last outgoing, incoming or missed numbers.
- Erase the numbers in the call log memory.
- View the duration of calls.

Outgoing *MENU 1-1*

Note: You can also access this menu by pressing in standby mode.

The phone stores up to the last 10 calls you dialed. When you access this menu, a list of outgoing calls is displayed.

1. Press or to find the desired number or name if saved in Phonebook.
2. Press to select the highlighted number. The dialed number, and name if stored in Phonebook is displayed.
3. If you want to access **Options**, press . The following options are available.
   - **Talk**: dials the selected number.
   - **Save**: allows you to save the number in the Phone book.
   - **Prepend**: allows to add an area code or feature code to the number before calling the number.
4. If you want to place a call to the displayed phone number, press . To exit the call log, press .

Incoming *MENU 1-2*

The phone stores up to the last 10 calls you received, if you are subscribed to the Caller Line Identification service. When you access this menu, a list of the incoming calls is displayed.

For further information about scrolling through the list and accessing the call log, refer to “Outgoing” on page 52.

Missed *MENU 1-3*

If the Caller Line Identification service is available, your phone keeps a list of the last 10 incoming calls that you failed to answer.

For further information about scrolling through the list and accessing the call log, refer to “Outgoing” on page 52.

Erase History *MENU 1-4*

You can erase the entries stored in each of the three call logs or all three logs at once.

The following options are available:

Outgoing: The calls you made are erased.

Incoming: The calls you received are erased.

Missed: The calls you missed are erased.

All Calls: All Calls you made, received and missed are erased.

When you see a confirming message, press OK to erase the log. If you want to cancel the operation, press CLR.

Air Time *MENU 1-5*

Your phone records the amount of the air time, or talk time, used. Using this option, you can view the number of the calls to or from your phone and the air time for all calls. You can easily erase the air time record at any time. This feature is helpful for estimating your phone usage.

Note: This feature is not intended to be used for billing purposes.

The following options are available.

Last Call: shows the air time of the last call.

Total: shows the number of all calls made to and total duration of the calls since the air time counter was last set to zero by using the **Erase Total** option.

LifeTime: shows the number and total duration of all calls made to or from your phone since the phone was shipped from the factory.

Erase Total: erases the "Total" air time measurement and resets the counter.

Phone Book

The Phonebook allows you to store frequently-used phone numbers and the associated names in your personal directory to make it easy for you to make a call without having to remember or enter the phone number. You can store up to 500 entries including up to 6 different numbers, such as workplace number, mobile number and fax number, individually.

Find *MENU 2-1*

This option allows you to find an entry stored in your Phonebook.

Note: You can quickly access this menu by pressing in standby mode.

1. Press or to scroll to the desired one from the following searching methods.
   - **By Name**: enter the character(s) you want with the desired input mode. Then, the phone shows the entries containing that character(s).
   - **By Entry:** enter the location number by pressing the numeric keys.
   - **By Group:** Highlight the Group field by pressing and select the group containing the entry you want to find by pressing or . The phone lists all of the entries in the selected group.

2. If necessary, press or to find the desired entry.

3. When the entry is highlighted, press to access the entry.

   The phone shows details of the entry, such as the name, the phone number and the location number.

4. Press to place a call or press to see the following options.

   - **Talk**: allows you to place a call to the number.
   - **Edit**: allows you to edit the information of the selected entry.
   - **Erase**: erases the selected number.

If you press from the Phonebook list, you can access the following options.

Edit: you to edit the information of the currently selected entry.

Erase: erases the selected entry.

Add New: allows you to add a new entry. For further information about adding a new entry, see page 57.

Add

MENU 2-2

This menu allows you to store a number with a name in your Phonebook.

Adding a New Entry to the Phonebook

1. Enter a phone number and press .

2. Press to confirm to add a new entry.

3. Select the label to assign to the phone number by pressing or and press .

   The available labels are; **Mobile**, **Home**, **Office**, **Pager**, **Fax** and **No label**.

4. Highlight the desired option you want to customize by using or , and set each option as needed by using or and the number keypad. The following options are available:

   - **No Name**: Enter the desired name. You can enter up to 12 characters. For further information about entering characters, see page 41.
   - **Location**: The first available location displays. If necessary, enter the location number by using the number keypad.
   - **Mobile/Home/Office/Pager/Fax/No label**: Enter the desired numbers, if necessary.
   - **E-mail**: Enter the person's e-mail address. You can enter up to 32 characters.
   - **Voice Dial**: Set the voice dial tag for the entry. For further information about the Voice Dialing feature, see page 83.

- **Speed Dial**: Select the priority number to be speed-dialed by the location number.
- **No Group**: Select the desired caller group. You have 5 choices of the group. Select **No Group** if you don't want to set the group.
- **Inactive**: Select the unique ringer type for the entry. By selecting a different ringer, incoming voice calls having caller ID can be distinguished from those that do not.
- **Secret**: To make the number secret, select **On**. This prevents a number from being displayed or dialed when it is accessed by unauthorized users. When you made the number secret, only a person with your phone's lock code can view the number.

5. When setting is completed, press OK to save the entry.

   After storing, the phone displays the phonebook entry number that you saved and the remaining slots you can further store phone numbers.

Storing Phone Numbers at Call End

1. After call conversation, press the end key to end the call. The call time and the phone number appears on the display.
2. To store the phone number, press OK.
3. To complete storing the number, follow from Step 2 in "Adding a New Entry to the Phonebook" on page 57

Rename Group *MENU 2-3*

This option allows you to change the name or the LED setting of a caller group.

1. Scroll to the group you want to edit by pressing the navigation key or .
2. Press MENU to select the group.
3. To change the name, select **Rename** and enter a new group name. For further information about entering characters, see page 38.

   To change the LED setting, select **LED** and then the desired color by pressing or . 7 different colors are available: **Red**, **Blue**, **Green**, **Skyblue**, **Purple**, **Orange** and **Sky Purple**.

4. Press OK to save the selection or input.

My Phone Number *MENU 2-4*

This option displays your phone number that is currently being used.

Memory *MENU 2-5*

This option shows the memory status for the Phonebook and the voice dialing entries.

Message

Your phone can receive voice mail, text messages, numeric pages and browser messages from the wireless web. Also, your phone can send text messages and pages if you system supplier provides this service.

When the phone receives a message, the phone sounds an alert and a text notification displays along with the caller's name and phone number, if available. The New Message icon ✉ remains on the screen until you read the new text, numeric page or browser message or until you listen to the new voice mail messages.

The messages can be received even when your phone is locked. However, the screen will not display the information about the message. To access a message, you need to unlock the phone. If you receive an incoming message during a call conversation, your phone will automatically mute the ringer. This is to avoid ringing in your ear while you are trying to converse.

You can quickly access the **Message** menu by pressing OK in standby mode.

New Messages *MENU 3-1*

You can create short text messages and numeric pages to send them to other mobile phones.

Note: Message transmission is available only in digital networks.

1. Enter the destination number using the number keypad and press OK.

   Pressing MENU allows you to recall a number from the Phonebook.

2. Enter the message contents or a numeric page. A total of 160 characters can be entered for each message. For further information about entering text, see page 41.

   You can recall the preset messages by selecting **Canned** from the Menu list.

3. When entering is completed, press OK.

4. If you wish to edit the message options before sending the message, press ↑ or ↓ to scroll through the options and then press OK to edit the setting.

   - **Send To**: change the destination phone number you entered in Step 1, if necessary.
   - **Msg**: change the message contents you entered in Step 2, if necessary.
   - **Call Back**: change the callback number, if necessary. It is preset to your phone number.
   - **Options**: change the settings in each option as needed. Press ↑ or ↓ to scroll to the desired option and press ← or → to select the desired setting. The following options are available.

     - **Priority**: set the priority level of the message between **Normal** and **Urgent**.

- **Validity**: specify the length of time for which your message will be stored at the message center while attempts to deliver it are made to the recipient's phone.
- **Send Later**: specify the length of time for which your phone waits before sending the message. To send it immediately, select **None**.
- **Delivery ACK**: to receive the Delivery Acknowledgement from the network to know if your message has been read by the recipient or not, select **On**. Otherwise, select **Off**.
- **Message Save**: sets if you want the phone to save the message after sending into Outbox or not. Select **Auto Save** to automatically save the message, **Prompt Save** to display the confirming message before sending and **Do Not Save** not to save the message.

• **Action**: asks you to select an action for the message. Go to Step 5.

5.

To...	**Press ...**
Send the message	.
Save the message	.
Back to the edit mode	.
Discard the message and quit	.

Note: Closing the folder or pressing before sending message is not completed will terminate the message transmission.

Voice

MENU 3-2

When the voice mail list displays, press or to scroll to the desired voice message and press to review the message. If multiple new voice mails are received but not reviewed, the information of the last one will be displayed. The information display includes the time/date stamp, number of new voice mails and callback number.

While reviewing the message, press to access the following options.

Listen: allows you to listen to the voice message. The phone will automatically dial your voice mail center.

Reset: clears the New Message icon and resets the counter for new voice mail, if necessary. The system resets the counter automatically after you listen to all new messages.

Inbox

MENU 3-3

Your phone can store up to 42 messages using up to 160 kbytes, all in Inbox or Outbox. If the memory is full, a warning message will be displayed and the phone will reject additional messages until you erase the obsolete ones.

Press or to scroll to the desired one of the messages in the list and press . The phone displays the message contents. If necessary, press or to scan through the contents.

While viewing a message, press MENU to access the following options.

Reply: allows you to send a reply message to the sender.

Forward: allows you to forward the message to the another person.

Delete: deletes the message.

Save addr: allows you to save the sender's phone number into your Phonebook. For further information about storing a number, see page 57.

Save cb#: allows you to save the callback number of the message.

Outbox

MENU 3-4

Your phone can store up to 42 messages using up to 160 kbytes, all in Inbox or Outbox. You can review or resend the messages stored in Outbox, if needed.

When you access this menu, you can see the message list. The icons next to the messages represents their status.

- : indicates that the message was successively delivered.
- : indicates that the message was not sent.

Press or to scroll to the desired message and press OK to review the message. The display shows the date and time when the message is created, the destination number (or name if saved in Phonebook) and message contents. If necessary, press or to scan through the contents.

While reviewing a message, press MENU to access the following options.

Re-send: allows you to re-send the message. For further information about sending a message, see page 60.

Delete: deletes the message.

Filed Message

MENU 3-5

When you only save a message by pressing OK (refer to Step 5 on page 62), the message is stored in this menu and can be accessed at a later time.

1. Press or to scroll to the desired message and press OK to review it.

2. Press MENU for the following options.
   - **Edit**: allows you to edit the selected message for transmission. For further information about sending a message, see page 60.
   - **Delete**: deletes the selected message.

Web Alert *MENU 3-6*

When you receive a new Web message, your phone notifies you and displays the following options. To select an option, scroll to highlight it and press OK.

View: allows you to access the Web Inbox to display the web message.

Clear: you can press CLR if you do not wish to read the message at this time.

When you access this menu, you can see the message list. Press ↑ or ↓ to scroll to the desired one of the messages in the list and press OK. The phone starts the Web browser and displays the message contents. If necessary, press ↑ or ↓ to scan through the contents.

Erase Message *MENU 3-7*

Using this menu option, you can erase the messages in each of five message boxes; **Voice**, **OldInbox**, **NewInbox**, **Outbox** and **Filed**. You can also erase all messages at one time.

Message Setup *MENU 3-8*

Via this menu, you can set up the various options for reading incoming messages or sending outgoing messages.

General

Scroll Timer: you can set the screen to scroll automatically while reading a message

- **1~5 Seconds**: If an incoming message is too long for the display, the phone displays it by scrolling the screen automatically. You can set the time interval in which the phone scrolls to the next screen.
- **Off**: the phone does not automatically scroll the screen. You need to scroll to next screen manually by using ↑ and ↓.

Msg. Reminder: you can set how often the phone alert you to an incoming message.

- **Off**: the phone doesn't alert.
- **Once**: the phone alert just once.
- **Every 2 min**: the phone alerts every 2 minutes.

Voice Mail #: you can set the phone number of the voice mail center. All unanswered calls to your phone will be automatically transferred to the voice mail box, even if your phone is off or in use.

New Message

Using this menu, you can set up various options for reading or sending a message. Refer to Step 4 on page 61 for further information.

Callback #: You can set the call back number. Your phone number is preset at factory.

Save Message: allows you to set whether or not you want the transmitted message to save in Outbox.

Entry Method: You can select the text input mode between **T9 Word** and **Alphabet** (ABC).

Delivery Ack: allows you to activate or deactivate the delivery acknowledgement feature.

Canned Msg.: allows you to change the canned messages preset in your phone as needed. There are 10 messages available.

Wireless Web

Your phone comes equipped with a web browser which makes it possible for you to access the wireless web.

The web browser allows you to access up-to-the minute information through your phone. Browsing the Wireless Web through your phone is unlike using your computer; site providers have selected only the critical aspects of their sites to present to wireless phone users and they have removed most of graphics.

Each time you start the web browser, the phone will connect to the wireless web and the Service icon will appear on the display. Any time the icon is visible on the display, you are connected to the wireless web and will be billed accordingly. Rates will vary according to your service plan.

The web browser will end the connection after a certain period of network inactivity and will automatically reconnect as necessary. For this reason, you may find that you are billed for several network connections within a single session. This is normal and is designed to minimize your bill.

You can quickly launch the web browser by pressing and holding down in standby mode.

Get In Web

MENU 4-1

Note: The first time you use the web browser, you will go through a security setup process that takes 3 to 5 minutes. Please follow the on-screen prompts to complete the security setup process. This initial setup process occurs only the first time you access the service.

1. Accessing the **Get In Web** menu connects your phone to the wireless web.

   If a reminder appear, depending on your setting in the **Prompt** menu option (**MENU 4-2**), simply answer **Yes** or **No** using the soft keys, and .

2. Once connected, the Home page or the last page you visited will be displayed.

   The opening page contents when accessing the web browser differs according to your wireless web service provider.

3. To scroll through the screen, use and .

Exiting the Web Browser

To end the Web connection, simply press at any time.

If the **To End** or **Both** option is set in the **Prompt** menu option (**MENU 4-2**), you will be prompted asking you whether or not you want to end the browser call.

Using the Web Browser Soft Keys

At the bottom of the web browser display is a solid bar which contains browser commands. and are used to execute the commands. These two keys are called soft keys because their functions change depending on where you are in the web browser software.

Navigating the Web Browser

When you use the web browser, some keys on your phone operate differently than when on a normal phone call. These keys are explained below. The web browser presents on-screen items in one of the following ways.

- text or numeric input
- links (embedded in content)
- numbered options (some options may not be numbered)
- simple text

Here's how the keys work in the web browser.

scroll to and select browser options. The currently selected option is indicated by an arrow. You can also use the navigation keys to move the cursor when editing text.

execute the commands at the bottom of the browser display. For further information, see "Using the Web Browser Soft keys" above.

enters the secondary options or a menu of secondary options.

performs two important functions:

- sends you back in the Browser. Press this key once to move backward to the previous screen. Pressing and holding the key down sends you back to the Home page.
- clears out your input when entering numbers or text. Press this key to clear the last characters. Pressing and holding the key down completely clears the input field.

confirms the highlighted item.

exits the web browser and returns the phone to standby mode.

If the items on a page are numbered, you can use these keys to select them.

Allows you to scroll up or down by a page or change the volume setting.

Entering Text, Numbers or Symbols

When prompted, you can enter text, numbers or symbols same way as in the phone mode. See page 41 for further information about entering characters.

Prompt

MENU 4-2

Your phone can give you a prompt to confirm your choice to begin or end your browser session. You can be set the phone to display the prompt or not to display.

The following options are available:

None: You do not receive a prompt.

To Start: This is the default setting. You will see the prompt when you enter the browser, but it will not appear when you exit it.

To End: You will see the prompt only when you exit the browser.

Both: You will be prompted when you enter or exit the browser.

Planner

The Planner feature enables you to:

- Keep track of important dates and events
- Create a list of things to do
- Set and count down to D-Day
- Set an alarm to ring at a specified time
- Check the time in another part of the world
- Use the phone as a calculator

Today *MENU 5-1*

You can schedule up to 9 events for the current day indicating each event's start and end time. You can be alerted by the Calendar function before an event commences. Events scheduled for future dates automatically appear on your Today display on that particular day.

Scheduling a New Event

To schedule a new Event:

1. Enter your event information. You can enter up to 32 characters. For further information about entering characters, see page 41.

2. Press OK to accept your input.

3. Enter the Start time and date by using the number keypad and press OK.

   You can move through the input fields by pressing ☎ or ↕, and toggle between **AM** and **PM** by pressing ♫ or ✉.

4. Enter the End time and date by using the number keypad and press OK.

5. Select when an alarm will notify you of your event by pressing ♫ or ✉. Selecting **No alarm** does not ring the alarm.

6. Press OK to save your event.

Editing or Erasing an Event

The first event is displayed when you select the **Today** menu option (**MENU 5-1**). Press ♫ or ✉ to scroll to the event you want to view.

While viewing details of the selected event, the following options are available when you press MENU.

Add new: allows you to schedule a new event.

Edit : allows you to edit the event.

Erase : allows you to erase the event.

Erase All: allows you to erase all of the events.

View Month *MENU 5-2*

This option allows you to view the current month, as well as a past or future month in calendar format. In this option, the current date is highlighted on the calendar. Days with the scheduled events are underlined.

Scrolling through the Calendar

- To move through the Calendar by one week by pressing or .
- To move to the previous or the next day, press or .
- To display the next or previous month, press or .

On the Calendar view, the following options are available when you press .

View: allows you to view the scheduled events of the selected day.

Add new: allows you to add a new event on the selected day.

To create a new schedule or edit an existing schedule, refer to "Today" on page 74.

Jump To Date *MENU 5-3*

This feature allows you to specify the calendar date you want to view. On your desired day, you can enter, edit and erase events.

Enter the desired date by using the number keypad and press to jump to the day.

To create a new schedule or edit an existing schedule, refer to "Today" on page 74.

To Do List *MENU 5-4*

This feature allows you to enter up a list of tasks to be done and assign both a priority and a deadline to each of them.

Creating a New Task

To create a new task:

1. Enter a task and press .

   You can enter up to 32 characters. For further information about entering characters, see page 41.

2. Enter the date and time by which the task needs to be done using the number keypad and press .

   You can move through the input fields by pressing or , and toggle between **AM** and **PM** by pressing or .

3. Set priority of the task between **Low** and **High** by pressing or .

4. Press to store the task.

Editing or Erasing an Event

The first task is displayed with the deadline and the associated priority when you access the **To Do List** menu option (**MENU 5-4**).

Scroll to the desired task by pressing or .

While viewing details of the selected task, the following options are available when you press MENU.

Add new: allows you to add a new task.

Edit: allows you to edit the task.

Erase: allows you to erase the task.

Erase All: allows you to erase all of the tasks.

Memo Pad *MENU 5-5*

This feature allows you to write down up to 10 memos about something you need to remember.

Writing a New Memo

To write a new memo:

1. Enter the memo contents.

   You can enter up to 60 characters. For further information about entering characters, see page 41.

2. Press OK to save the memo.

Editing or Erasing a Memo

The memo list is displayed when you access the **Memo Pad** menu option (**MENU 5-5**).

Scroll to the desired memo by pressing ◄♫ or ►∞ and press OK to view the memo contents.

While viewing details of the selected memo, the following options are available when you press MENU.

Add new: allows you to add a new memo.

Edit: allows you to edit the memo.

Erase: allows you to erase the memo.

Erase All: allows you to erase all of the memos.

Count Down *MENU 5-6*

This menu help you know how much time it takes for you to do something, or how many months, days, hours and minutes until a specific day arrives. You can create up to 30 counters.

Creating a New Counter

To create a new counter:

1. Enter a name for your counter and press OK. For further information about entering characters, see page 41.

2. Enter the date and time from which you want to count down.

   You can move through the input fields by pressing ☎ or ▼, and toggle between **AM** and **PM** by pressing ◄♫ or ►∞.

   Note: You can enter between 1980 and 2099 for dates for the year.

3. Press OK to save the counter.

Editing or Erasing a Counter

The first counter is displayed when you access the **Countdown** menu (**MENU 5-6**).

Scroll to the desired counter by pressing or .

While viewing the selected counter, the following options are available when you press .

Add new: allows you to create a new counter.

Edit : allows you to edit the counter.

Erase : allows you to delete the counter.

Erase All: allows you to delete all of the counters.

Alarm Clock *MENU 5-7*

This option allows you to set or release the alarm to ring at a specific time.

To set an alarm:

1. Select the desired alarm frequency option by pressing the navigation keys.
   - **Once**: the alarm rings only once and is then deactivated.
   - **Daily**: the alarm rings every day at the same time.
2. Press to confirm your input.

3. Enter the required time for the alarm to sound using the number keypad.

   You can toggle between **AM** and **PM** by pressing or .

4. Press to save the setting.

To stop the alarm when it rings, press any key.

To release the alarm setting, select **Off** from the alarm frequency options.

Note: For the alarm to work, your phone needs to be turned on and in digital mode.

World Time *MENU 5-8*

This menu allows you to check the current time for Greenwich Mean Time (GMT) and major cities around the world.

Scroll through the world map by pressing the navigation keys until the city corresponding to your time zone appears. The local date and time are also displayed.

Calculator

MENU 5-9

Using this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication and division.

To perform a calculation:

1. Enter the first number by using the number keypad.

2. Set the operation for your calculation by pressing the corresponding navigation key according to the illustration on the display; **+** ( ), **-** ( ), **x** ( ), **/** ( ).

3. Enter the second number.

4. Repeat steps 1 to 3 as many times as needed.

5. To calculate the result, press .

Notes:
- To erase any mistakes or clear out the display, press .
- Press to enter a decimal point and to change the sign of a number to a negative (-).

Voice

In this menu, you can use the phone's voice features such as:
- Voice dial
- Voice memo
- Voice Answer

Voice Dial

MENU 6-1

You can call up to 20 stored entries by speaking the associated name into the microphone. Using the Voice dialing feature requires that you first program the phone to recognize the name of the person you are calling.

Record

This option allows you to record names and register numbers for subsequent voice dialing. The phone provides voice prompts and screen displays to guide you through the recording process.

1. Say the name you want to program at the prompt. The phone stores the name as a first sample.

2. Respond to the prompt by repeating the name after the beep. The phone stores the name as a second sample, and then prompts you to enter the phone number.

3. Enter the phone number by using the number keypad and press .

4. Complete storing the number into the Phonebook, referring to page 57.

Note: You can also program the phone for voice dialing by selecting **Voice Dial** from the label category when storing a phone number into your Phonebook. See page 57.

Tips on Recording a Name

- Avoid recording similar names phonetically. If you record a similar name to one already in the memory, the phone asks for another name.
- Speak clearly and naturally.
- The person who will use the phone should record the name. The phone does not recognize the name if the voice is different.
- Avoid too long or too short a name. Names with two to five syllables are recommended.
- If this feature does not work properly, erase the name, and try again with another name.
- Practice several times to obtain the best result.
- You can record up to 20 names. If you try to record more than 20, the phone announces “Out of space to store voice tage.”

Review

When a list of your stored voice dial entries displays, scroll to the desired entry by using and and press . The recorded name plays audibly.

On the voice tag list, press to display the following options.

Info: shows the Phonebook information of the selected entry.

Erase: erases the selected entry.

Talk: places a call to the number of the selected entry.

Play All: plays back all of the voice dial tags.

Erase All

This option erases all of entries in the voice dial list.

When a confirming message appears, select **Yes** to confirm the selection. Otherwise, select **No**.

Set Active

Voice dialing is always active once you have programmed the phone to accept voice dialing entries and the associated phone number.

Before using the voice dialing feature, you need to determine how you initiate the voice dialing via this menu.

The following options are available.

[*] Only: enables Voice Dialing only by pressing and holding *.

[*] /Folder: enables Voice Dialing by pressing and holding * or by opening the folder.

[*] /EarMic: enables Voice Dialing by pressing and holding * or by pressing and holding the button on your ear-microphone.

Voice Memo *MENU 6-2*

Note: You can use this feature only in digital mode.

Using this menu option, you can record 30 voice memos of 4 minutes in length individually.

You can quickly enter this menu by pressing ∞ in standby mode.

Record

1. Accessing this menu option immediately begins recording. A timer displays to show the elapsed time.

2. Speak into the phone to record the voice memo.

   While recording, pressing ♪ pauses and ∞ to resume.

   If maximum recording time expires before you end, recording automatically stops, sounding an alert.

3. Press OK when recording is completed.

   The Rec. Finished screen is displayed with the following choices:

   - **Review**: allows you to review the voice memo. The screen displays the length of the memo with the date and time.
   - **Rerecord**: allows you to re-records the memo.
   - **Save**: allows you to save the voice memo with a title.
   - **Quit**: cancels your recording and returns to standby mode.

5. Select **Save** to save the recorded voice memo and press OK.

6. Enter the desired title for the memo and press OK. You can enter up to 12 characters. For further information about entering characters, see page 41.

Review

When the list of your voice memos displays, scroll to the desired memo by using ▲ and ▼ and press OK. The phone plays back the memo.

On the Voice Memo List, press MENU to display the following options:

Play: plays back the selected memo.

Info: shows details of the selected memo.

Erase: erases the selected memo.

Erase All: erases all of the voice memos.

Erase All

This option erases all of your voice memos.

When a confirming message appears, select **Yes** to confirm the selection. Otherwise, select **No**.

Voice Answer *MENU 6-3*

Note: You can use this feature only in digital mode.

This feature allows you to set the phone to answer an incoming call with the preset greeting message and to record the caller's message directly into the memory. This shares the memory with voice memos and the amount of time for a message is dependent on the available memory less any voice memos.

On / Off

This option allows you to turn the Voice Answer feature on or off.

Config

This option provides you with several setting options to configure the Voice Answer feature.

The following options are available:

Greeting: You have a predefined greeting message to play back when a call comes in. Also, you can create your own greeting message as your preference using this option.

To record a greeting message:

1. Select **Record** and press OK.
2. Wait until a beeping prompt sounds and record the voice memo by speaking into the microphone.

   You can pause recording by pressing . To resume, press .
3. When recording is completed, press OK. The phone automatically saves and activates the message.

Note: Each time you record a new message, your phone automatically overwrites the old message.

To play back your greeting message, select **Play**.

To enable or disable your greeting message, use the **Select** option. If you disabled your message, the phone will use the default greeting.

Screening: enables or disables the screening speaker which allows you to listen to the caller's message while the caller is leaving it.

Wait time: selects the time the phone waits before answering the call with the greeting message. The wait time can be set to **after 3sec**, **after5 sec** or **after10 sec**. Selecting **No Ring** answers a call by the greeting as soon as the phone receives the signal of the call.

Inbox

This option allows you to listen to the callers' messages. The list of recorded messages appears.

Note: If the phone has the caller's messages waiting to be checked, it displays the total number of the messages and the date and time when the last message was recorded in standby mode. Pressing OK quickly takes you to Inbox.

Press ↑ or ↓ to scroll to the desired message and press OK to play it back.

You can pause playback by pressing ♪. To resume, press ∞.

From the message list, the following options are available when you press MENU.

Info: shows the detailed information on the message, such as the caller's number, if identified, elapsed time, the memory used for the message and the time when it was recorded.

Erase: erases the selected message.

Erase All: erases all of the recorded messages.

Talk: places a call to the caller's number, if identified.

Save: saves the caller's number, if identified, into your Phonebook.

Sounds

You can use the **Sounds** menu to customize various sound settings, such as the:

- Ringer volume, type and tone
- Length of the DTMF tones
- Sounds to alert you to the some situations and a ringer for the roaming calls

Ringer Volume *MENU 7-1*

This menu option allows you to adjust the volume of the ringers for the following items.

Calls: allows you to adjust the ringer volume for the incoming calls.

Messages: allows you to adjust the ringer volume for the messages.

Alarm: allows you to adjust the ringer volume for an alarm.

Key Beep: allows you to adjust the volume for the key beep.

Use the navigation keys to adjust the volume from **Level 1** through **Level 5** or select the desired type.

Selecting **Vibrate** switches the phone to vibration mode. An incoming call will vibrate the phone.
Selecting **1 Beep** sounds a beep.
To turn the ringer off, select **Silent**.

Ringer Type

MENU 7-2

This option allows you to set a unique ringer for the following items.

Voice Calls: allows you to set a unique ring for incoming voice calls.

Messages: allows you to have a distinctive ring for voice mails, pages, text messages and browser messages individually.

Alarm: allows you to have a distinctive ring for an alarm.

Data/Fax In: allows you to be alerted with a distinctive ring tone when you are faxed or received a data through the phone. This feature may not be available, depending upon your network .

Planner: allows you to have a distinctive ring for a planner alarm.

Select the desired ringer by using the navigation keys. You can choose from 35 tones or melodies, including 10 downloaded melodies from the Internet. After a tone or melody is selected, it sounds for a few seconds.

Tone Length

MENU 7-3

The Tone Length setting enables you to select normal or long DTMF (Dual-Tone Multi-Frequency) tones. When you use a teleservice, such as accessing your bank account, and press the keys to enter numbers into the teleservice, you are sending DTMF tones. The system used by the bank or other service determines if you need normal or long DTMF tones. If the service is digital, which most are these days, normal DTMF will almost always work. However, some new systems and almost all older analog systems require you to use long DTMF tones. Many home answering machines require long DTMF tones.

Alerts

MENU 7-4

Your phone gives audible alerts (beeps) to inform you that certain things have happened. The alerts only occur in your earpiece so the other party does not hear them.

The available alerts are:

Minute Beep: When this menu option is set to **On**, the phone sounds an alert 10 seconds before each elapsed minute to remind you of the length of the current call.

Service: When this menu option is set to **On**, the phone sounds an alert when you exit a service area or when you return to a service area.

Connect: When this menu option is set to **On**, the phone sounds the connect tone when your call is connected to the system.

Disconnect: When this menu option is set to **On**, the phone sounds the disconnect tone when your call is disconnected.

Fade: When this menu option is set to **On**, the phone sounds an alert when a dropped call occurs during conversation in response to a signal fade.

Roam: When this menu option is set to **On**, the phone sounds an alert when your phone starts roaming.

Roam Ringer

MENU 7-5

You can set the phone to use a distinctive ringer for incoming roaming calls.

Press the navigation keys to choose **On** to use a distinctive ringer or **Off** to use a normal ringer.

Display

The Display feature enables you to:

- Select an animation to be displayed in standby mode or when powered on or off and create your own greeting
- Set the length of time for the backlight
- Adjust the brightness of the LCD screen
- Set the phone to insert a hyphen between numbers
- Select the time zones for the dual clock display

Animation

MENU 8-1

You can select the animated images to display in standby mode or when the phone is turned on or off.

You can download the animated images via the Internet or the PC Link program, but this function may not be available according to your service provider.

The following options are available.

Opening: select an image to be displayed when you switch the phone on.

Closing: select an image to be displayed when you switch the phone off.

Wall Paper: select an image to be displayed on the idle screen.

Greeting

MENU 8-2

This option allows you to set a greeting to display under the wall paper image in standby mode.

To change the message:

1. If necessary, press CLR repeatedly to delete each letter of the old greeting. Press are hold CLR to clear it.
2. Enter your message of up to 12 characters by using the alphanumeric keys. For further information about entering characters, refer to page 41.
3. When entering is finished, press OK to save the new greeting.

Backlight

MENU 8-3

You have several choices for setting how the LCD backlight operates. Remember that backlight use drains your battery faster.

The following options are available:

30 (/**15**/**7**) **seconds:** The backlight comes on when you press a key or receive a call and switches off 30 (/15/7) seconds after the last key is pressed.

Folder Open: The backlight comes on while the folder is open.

Always Off: The backlight are not used.

Contrast

MENU 8-4

The LCD has the contrast setting that can help you see the screen better in different lighting conditions.

Adjust the contrast to make the LCD screen darker or lighter by pressing the navigation keys or the volume keys.

Auto Hyphen

MENU 8-5

With this menu option set to **On**, your phone automatically hyphenates numbers when you dial a number.

This hyphenates numbers as follows: 000-000-0000. Digits following a pause are not hyphenated.

Dual Clock

MENU 8-6

You can choose 2 different time zones to be displayed when you select the **Dual Clock** in the **Wall Paper** menu option (**MENU 8-1-3**) and turn the summer time on or off for each clock.

To select the time zone:

1. Select **Location** and press to move to the P1 field.
2. Press or to scroll to the desired location and then press to move the P2 field.
3. Press or to scroll to the desired location and then press to save the selection.

To turn the summer time on or off:

1. Select **Summer Time** by pressing or and press or to move to the P1 or P2 field, as needed.
2. Press or to select **On** or **Off**.

Games

This menu allows you to enjoy the following games:
- Push push
- Fly Ribbon
- Spider Hunter

To access a game:

1. Press or to scroll to the desired game and then press .
2. When the game start screen is displayed, press to get help in playing the game. It displays key commands.
3. Press to start the game.
4. Press to exit the game and return to standby mode.

Setup

Many different features of your phone can be customized to suit your preferences.

Auto Answer

MENU 0-1

With this menu option activated, the phone automatically answers calls after predefined rings. This option is useful while driving, for instance.

To activate this feature, select how long your phone waits before answering an incoming call. **after 5sec**, **after 3sec** and **after 1sec** are available.

With this menu option set to **No Ring**, the phone does not answer an incoming call. If you do not answer the call, it will be stored in the Missed Call log (see page 53).

Answer Mode

MENU 0-2

This menu option allows you to select how to answer an incoming call. The following options are available.

By SendKey: The phone answers only when you press .

By Fold. Opn: You can answer the call simply by opening the folder.

By AnyKey: The phone answers when you press any key except .

Auto Retry

MENU 0-3

With this menu option activated, your phone will automatically retry the call up to 10 times when a connection fails.

To activate this feature, select how often the phone automatically retries the call. **every 10sec**, **every 30sec**, and **every 60sec** are available.
Selecting **Off** deactivates this feature.

Set Time

MENU 0-4

This option allows you to set the current date and time.

Enter the current time and date by using the number keypad. You can toggle between **AM** and **PM** by pressing or .

The month, day, hour and minute must be entered with 2 digits and the year requires 4 digits. You need to enter the hour in 12-hour format.

Set NAM

MENU 0-5

NAM stands for numerical assignment module; essentially your telephone number. Your Samsung phone can store two NAMs and this means that you can have two phone numbers on your phone. You can quickly and easily switch your service back and forth between the two numbers.

Press the navigation keys to select **NAM 1** or **NAM 2**. If you change the NAM, the phone will turns itself off and on again, and then it acquires service using the new NAM setting.

Set System

MENU 0-6

The system selection feature enables you to choose how your phone will roam. Roaming is a feature which is only relevant in areas where there are usually at least two cellular service providers which are referred to as “A” and “B” and have valid roaming agreements. Your service provider will provide you information about this service or the best roaming methods for you.

The following options are available.

A only: With this setting, your phone will always try your call using the Preferred Roaming List loaded into your phone first, but if your phone cannot find any preferred systems, then it will attempt to acquire any digital or analog “A” system.

B only: With this setting, your phone will always try your call using the Preferred Roaming List loaded into your phone first, but if your phone cannot find any preferred systems, then it will attempt to acquire any digital or analog “B” system.

home only : With this setting, you cannot roam. If your home system is not available then your call will not be connected and the No Service icon is displayed. In some service areas an operator may come on line asking you how you would like to pay for the call.

standard : With this setting, the phone automatically searches for the best system.

digital only : With this setting, the phone searches for the digital system only.

Data / Fax

MENU 0-7

Your phone is capable of sending and receiving digital data or fax calls when connected to a computing device, such as laptop, desktop, handheld and palmtop, running Windows 95/98/NT/2000/Me/XP. The phone functions just like a typical modem on your PC, enabling you to use wireless data involving a wide variety of Windows software applications.

To use digital data or fax services with your phone, you will need to obtain a digital data/fax kit from your service provider. This kit will contain the necessary cables, software, and user's guide needed for you to connect and use the phone with your computing device.

Note: The phone must be on a digital network to receive or send faxes and data.

The following options are available.

data/fax off: Your phone receives voice calls only.

fax for next call: Your phone receives fax calls for the next 10 minutes.

fax until powered off: Your phone receives fax calls until you power off and back on the phone.

data for next call: Your phone receives data calls for the next 10 minutes.

data until powered off: Your phone receives data calls until you power off and back on the phone.

Receiving a Fax or Data File

To receive a fax or data, ensure that your phone is connected to your PC and is turned on. Select a desired option from the **Data/Fax** menu option (**MENU 0-7**).

When you receive a fax call, setup the **Answer** mode in the Fax program on your PC and click on **Receive**. Select one of the following:

- Automatic Receive (recommended)
- Manual Receive

Sending a Fax or Data File

When connected to a computing device, your phone supports wireless fax and data transmissions. Your computing device software initiates the call to the destination phone number. The phone functions as a wireless modem to send the fax or data file to the number designated by your PC software.

Version *MENU 0-8*

This option allows you to view the software and hardware versions of your phone. This feature is helpful when you need to call the Customer Care.

Security *MENU 0-0*

Your phone provides many security options, including a user-programmable lock code and call restriction.

To access the Security menu, you need to enter your four-digit lock code. The lock code is preset to "0000" at the factory.

Lock Phone

This option allows you to lock your phone. When the phone is locked, you cannot dial number, except for making an emergency call, or accessing menu options.

The following options are available:

Never: The phone remains unlocked.

On Power up: The phone locks automatically at the next time your phone is turned on.

Now: The phone locks immediately.

To place emergency calls when the phone is locked, enter the desired emergency number and then press . The phone recognizes the three emergency numbers you programmed via the **Emergency #** menu option (**MENU 0-0-4**); for further details, see page 107.

To unlock the phone, press MENU and enter the lock code. The phone returns to standby mode.

Change Lock

You can change your current lock code to a new one. The lock code is preset to “0000” at the factory.

Enter a new four-digit lock code and then re-enter the code to confirm it.

Restrict

This feature allows you to restrict all of your outgoing calls, except for emergency calls using the numbers you programmed via the **Emergency #** menu option (**MENU 0-0-4**); for further details, see below.

Select **Yes** to restrict the calls or **No** to cancel the selection.

Emergency Number

Your phone provides the option of storing emergency numbers. All of these numbers can be dialed at any time, even if your phone is locked or all outgoing calls are restricted. The default numbers may vary depending on your service provider.

To store an emergency number, select the desired location using the number keypad or the navigation keys, and enter the desired number. Each emergency number can be up to 32 digits long.

To make an emergency call in Lock mode, simply enter an emergency number and press .

PIN (Personal Identification Number)

Note: Your service provider must enable this feature and assign you a PIN in order for this feature to work.

This feature prevents your phone from being used by unauthorized people. Contact your service provider for complete information about this feature.

The following options are available.

Never: The option is not activated.

Prompt: Each time you make a call, you are asked to send a PIN.

Erase Phonebook

This menu allows you to erase all the numbers stored in your Phonebook and the voice dial tag list.

When a confirming message appears, select **Yes** to confirm. To cancel the selection, select **No**.

Reset Phone

Resetting the phone erases all of your saved selection in the user-selectable setting options and returns them to the factory default settings.

When a confirming message appears, select **Yes** to confirm. The phone turns itself off and back on and then returns to standby mode.

Health and Safety Information

Exposure to Radio-Frequency Energy (SAR Information)

This phone meets Australian Communications Authority (ACA) requirements (AS/NZS 2772) concerning exposure to radio waves.
Your mobile phone is a radio transmitter and receiver. It is designed and manufactured, so as not to exceed the limits for exposure to radio-frequency (RF) energy, as recommended by ACA. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to ensure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as SAR (Specific Absorption Rate). The SAR limit recommended by ACA is 1.6W/kg.

* The SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of body tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. The SAR values may vary depending on the national reporting requirements and the network band.

Precautions When Using Batteries

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.

- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and – terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold. When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips.

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an extra layer of convenience and safety to your wireless phone with one of the many hands-free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

5. Do not take notes or look up phone numbers while driving. Jotting down a To Do list or flipping through your phonebook takes your attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make the people with whom you are talking aware that you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial the emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. If you see a car accident, crime in progress or other serious emergency where lives are in danger, call the emergency number, as you would want others to do for you.

10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or any other special non-emergency wireless number.

Operating Environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on
- Should not carry the phone in a breast pocket
- Should use the ear opposite the pacemaker to minimize potential interference

If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.
You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch off your phone in any facility where posted notices require you to do so.

Potentially Explosive Atmospheres

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refuelling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call, proceed as follows.

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 112 or any other official emergency number). Emergency numbers vary by location.
3. Press the <**SEND**> key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch off your phone before boarding an aircraft. The use of wireless phones in aircraft may be dangerous to the operation of the aircraft, and is illegal.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children's.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not touch the phone with wet hands while it is charging. Doing so may give you an electric shock or damage the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.

- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint it. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Glossary

Airtime - Actual time spent talking on the wireless phone. Most carriers bill customers based on how many minutes of airtime they use each month.

Antenna - A device for transmitting or receiving signals. The size and shape of antennas is determined, in part, by the frequency of the signal they receive. Wireless phones and the base station must have antennas.

CDMA - (Code Division Multiple Access) A spread-spectrum approach to digital transmission. With CDMA, each conversion is digitized and then tagged with a code. The mobile phone deciphers only a particular code to pick the right conversation off the air. The transmitted signal is just above noise level across the available bandwidth.

Channel - Communications signals transmit along paths called channels.

Codec - Compression & Decompression.

Deactivation - The process of rendering a wireless phone inactive.

DTMF - (Dual-tone Multi- Frequency) You send DTMF signals when you enter numbers by pressing the digit keys.

EVRC - (Enhanced Variable Rate Codec) EVRC is a new global standard for compressing and decompressing voice signals. EVRC uses a lower bit rate (the number of bits sent per second) than existing CDMA vocoders, while providing significant improvements in voice quality. This technology enables your phone to provide superb voice quality while benefiting from the ability to process more cellular voice calls using less bandwidth than the voice codecs in CDMA networks today.

Frequency - A measure based on time, as one or more waves per second, in an electrical or light wave information signal. A signal's frequency is stated in cycles-per-second or Hertz (Hz).

Hands-Free - A feature that permits a driver to use a wireless phone without lifting or holding the handset - an important safety feature for automobiles, tractors and most other motorized vehicles.

LCD - (Liquid Crystal Display) Commonly used to refer to the screen display on the wireless phone.

LED - (Light Emitting Diode) Commonly used to refer to a small light on the wireless phone or on the Desktop Charger. The LED lights on the phone to indicate an incoming call. The lights on the charger indicate that battery charging is taking place.

Prepend - The addition of a prefix, such as an area code, to a phone number.

RF - Radio Frequency

Roaming - The ability to use a wireless phone to make and receive calls in places outside of the home service area.

Service Charge - The amount paid each month to receive wireless service.

Standby Time - The amount of time a fully charged wireless portable or transportable phone can be on and idle without being in use. See also Talk Time.

Talk Time - The length of time a person can talk on a portable or transportable wireless phone without recharging the battery.

Wireless - Radio-based Systems that allow transmission of telephone or data signals through the air without a physical connection, such as a metal wire (copper) or fiber optic cable.

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SCH-A591 Quick Reference Card

BASIC OPERATIONS

Making a call	Phone number +
Ending a call	/⏻
Receiving a call	or open the phone
Adjusting key volume	*(in Standby mode)* ▼ / ▲ on the left side
Adjusting speaker volume	*(during a conversation)* ▼ / ▲ on the left side
Redialing the last call	twice
Switching to silent mode	Hold #
Voice dialing	Hold * or Open the folder + Say name
Speed dialing	Enter memory location of the desired number, holding the final digit to automatically dial.
Saving Numbers	With number on screen, press **OK** and follow the screen prompts
Phone book Search	Press in standby mode + or
Accessing Wireless Web	Hold
Recording voice memos	Hold
Select ringer	+ or

MENU TREE

Main Menu *(To access, press MENU)*

1 : Calls
- 1 : Outgoing
- 2 : Incoming
- 3 : Missed
- 4 : Erase History
- 5 : Air Time

2 : Phone Book
- 1 : Find
- 2 : Add
- 3 : Rename Group
- 4 : My Phone #
- 5 : Memory

3 : Message
- 1 : New Messages
- 2 : Voice
- 3 : Inbox
- 4 : Outbox
- 5 : Filed Msg
- 6 : WebAlert
- 7 : Erase Msg
- 8 : Msg Setup

4 : Wireless Web
- 1: Get In Web
- 2: Prompt

5 : Planner
- 1 : Today
- 2 : View Moth
- 3 : Jump To Date
- 4 : To Do List
- 5 : Memo Pad
- 6 : Countdown
- 7 : Alarm Clock
- 8 : World Time
- 9 : Calculator

6 : Voice
- 1 : Voice Dial
- 2 : Voice Memo
- 3 : Voice Answer

7 : Sounds
- 1 : Ringer Vol
- 2 : Ringer Type
- 3 : Tone Length
- 4 : Alerts
- 5 : Roam Ringer

8 : Display
- 1 : Animation
- 2 : Greeting
- 3 : Backlight
- 4 : Contrast
- 5 : Auto Hyphen
- 6 : Dual Clock

8 : Games
- 1 : Push Push
- 2 : Fly Ribbon
- 3 : Spider

0 : Setup
- 1 : Auto Answer
- 2 : Answer Mode
- 3 : Auto Retry
- 4 : Set Time
- 5 : Set NAM
- 6 : Set System
- 7 : Data/Fax
- 8 : Version
- 0 : Security

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